transmitting display (3) and is projectable onto a windshield, wherein a multiplicity of red, blue and green light-emitting diodes (10 - 12) are arranged without packaging on a common support (16, 17, 19), and wherein a heat-dissipating device (19) for cooling the light-emitting diodes is present.

2. The color head-up display as claimed in claim 1, wherein said multiplicity of light-emitting diodes (10, 11, 12) is arranged in the form of a compact array.

3. The color head-up display as claimed in claim 2, wherein said compact array is configured in the form of a matrix.

4. The color head-up display as claimed in claim 1, wherein the number of light-emitting diodes of one color is adapted to the spectral sensitivity of the eye and to the spectral efficiency of the diodes.

5. The color head-up display as claimed in claim 2, wherein the compact array has a largely round form.

6. The color head-up display as claimed in claim 1, wherein the individual light-emitting diodes (10, 11,

12) are chip pads fitted on a metallic support material array (9).

7. The color head-up display as claimed in claim 6, wherein in each case at least one bonding wire (15) is connected to said chip pad (10, 11, 12) and to the support material array (9).

8. The color head-up display as claimed in claim 1, wherein a plurality of said light-emitting diodes (10, 11, 12) are connected in series.

9. The color head-up display as claimed in claim 8, wherein a plurality of said light-emitting diodes (10, 11, 12) of one color are connected in series.

10. The color head-up display as claimed in claim 1, wherein the at least partially light-transmitting display (3) is a liquid crystal display.

11. The color head-up display as claimed in claim 10, wherein said display (3) is a color liquid crystal display, and wherein the light source (2) simultaneously emits red, green and blue light.

12. The color head-up display as claimed in claim 10, wherein said liquid crystal display (3) is a monochrome liquid crystal display, and wherein the individual colors of the light-emitting diodes are successively switchable on and off in a rapid sequence.

13. The color head-up display as claimed in claim 1, wherein a condenser lens (7) is arranged between the light source (2) and the display (3).

14. The color head-up display as claimed in claim 1, wherein light from the light-emitting diode (10 - 12) is reflected by one or a plurality of mirrors and is transmitted through the display (3).

B1 15. (twice amended) The color head-up display as claimed in claim 1, wherein there are a plurality of displays (3) and a plurality of said light sources (2).

Please enter the following claims 16 and 17:

B2 cnt --16. (new) A color head-up display, suitable for vehicles, in which the light from a light source is transmitted through an at least partially light-transmitting

display and is projectable onto a windshield, wherein a multiplicity of red, blue and green light-emitting diodes are arranged without packaging on a common support comprising a plurality of layers, one of said layers being a thermally conductive electrically insulating layer, and a further one of said layers being a heat distribution and cooling layer, said insulating layer being disposed between said light-emitting diodes and said cooling layer.

B2 cont'd

17. (new) The display as claimed in claim 16, wherein the light-emitting diodes are arranged in rows and columns on said support.--